

INTERNATIONAL SEARCH REPORT

International application No.
PCT/NZ2004/000259

A. CLASSIFICATION OF SUBJECT MATTER Int. Cl. ⁷ : A01J 11/02, 11/04; B01D 19/02 According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched AU: Pais: IPC: A01J 11/02, 11/04; B01D 19/02 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI: IPC: A01J-011/IC or B01D-019/IC & keywords: liquid?, fluid?, milk, dairy+, +aerat+, +foam+, +froth+, degas+, temp+ heat+ therm+ chill+ cool+, excahng+, transfer+, conduit+ DWPI: heat exchanger, conduit, pipe, spiral, helix, helical, surround, exterior					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
X	US 5755924 A (FERES) 26 May 1998 Whole document	1-16			
Y	Whole document	1-16			
X	US 4153500 A (FERES) 8 May 1979 Whole document	1-16			
Y	Whole document	1-16			
Y	US 3557868 A (BURKELL) 26 January 1971 Whole document	1-16			
A	US 4013043 A (KIRWAN) 22 March 1977 Whole document	1-16			
<input type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex					
* Special categories of cited documents: <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s), or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed </td> <td style="width: 33%; vertical-align: top;"> "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family </td> <td style="width: 33%;"></td> </tr> </table>			"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s), or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family	
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s), or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family				
Date of the actual completion of the international search 25 January 2005		Date of mailing of the international search report 3 FEB 2005			
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/NZ2004/000259

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
US	5755924	CH	691995	DE	19633468	JP	9103601
US	4153500	AT	139675	CA	1021252	CH	597887
		DE	2409502	DE	2510206	FR	2262547
		GB	1492648	JP	50124877	SE	7502084
US	3557868						
US	4013043	AU	81547/75	DE	2523263	DK	231475
		GB	1461059	NO	751838	SE	7505946
		FR	2272595				
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.							
END OF ANNEX							